



# **X-MBON Working Group Updates**

**BioSound**

**BioTrack**

# BioSound

- **WG Co-Leads:** Kate Stafford & Neil Hammerschlag
- **Data focus on:**
  - Biological sounds
  - Anthropogenic noise
- **Goal** → To streamline, standardize and visualize metrics derived from soundscape monitoring useful to biologists and managers related to biodiversity

# BioSound

- Key Issues:
  - Biodiversity metrics = biological soundscapes?
  - Ecological relationships b/w biological & anthropogenic sound?
  - Validation/linkages using other MBON datasets (animal movement, eDNA, SeaScapes)
- WG Membership:
  - 14 individuals
    - SanctSound
    - IOOS
    - BOEM
    - NANOOS
    - SECOORA

# BioSound

- **WG Updates & Next Steps**

- March 24 – Kick off meeting
- August 11 – Presentation by Peter Tyack (online)
- Individual monitoring efforts
- Seeking case studies
- Soliciting future speakers
- SanctSound - website launch in 2022

# BioTrack

- **WG Co-Leads:** Bill Woodward & Neil Hammerschlag
- **Data focus on:**
  - Animal tracking (acoustic, satellite)
- **Goal** → Analysis and visualization of metrics useful for stakeholders and managers
  - Create MBON-ATN biodiversity data processes and products
  - Establish linked research priorities/activities
  - Increase participation in BioTrack

# BioTrack

- Key Issues:
  - Identifying and organizing stakeholders
  - Evaluating metrics for biodiversity assessments
  - Analytical approaches
  - Data visualization and products
  - Integration with other MBON datasets (soundscapes, seascapes, eDNA)
- WG Membership:
  - 23 individuals
    - NOAA
    - SAFMC
    - MBARI
    - HMS
    - SECOORA

# BioTrack

- **WG Updates & Next Steps**

- April 7 – Kick off meeting & Presentation by Jennifer Cudney (NOAA HMS)
- October 21– Presentation by Chip Collier (SAFMC)
- BioTrack proof of concept project in WNA, GOM, Caribbean
  - Website
  - Data management plan
  - ATN DAC
  - 500+ satellite tags, 23+ species, 19+ collaborators
    - PhD student (Chelsea Black)
    - Megan Mckinzie (ATN)
  - Expanding to acoustic tracking data
    - Post-Doc solicitation supported via IOOS/SECOORA